

## **AMENDMENTS TO THE SPECIFICATION**

Please replace Paragraph [0019] with the following paragraph:

According to this configuration of the invention, the color filter substrate can be obtained which is suitable for use in the electro-optic device having the lighting system where the light emitting diode is used as the light source. More specifically, the color filter substrate where x ranges from 0.45 to 0.65 and y ranges from 0.28 to 0.33 in the chromaticity coordinates of the light passing through the area of the red color layer is used in the electro-optic device having the lighting system where the light emitting diode is used as the light source. Therefore, an electro-optic device excellent in color reproducibility, particularly in red color reproducibility with superior display quality can be obtained. Here, in the case where x ranges from 0.45 to 0.65, red is recognized as orange by visual observations when y is greater than 0.33 ~~0.34~~, whereas it is recognized as magenta by visual observations when y is smaller than 0.28 ~~0.34~~. Y is set to range from 0.28 to 0.33, thereby allowing it to be recognized as red by visual observations.

Please replace Paragraph [0047] with the following paragraph:

Furthermore, as the result that the quantity ratio of the pigment in the red color layer material was varied and measured similarly, it was revealed that, in the case where x ranges from 0.45 to 0.65, the color is recognized as red by visual observations when y ranges from 0.28 to 0.33, it is recognized as orange by visual observations when y is greater than 0.33 ~~0.34~~, and it is recognized as magenta by visual observations when y is smaller than 0.28 ~~0.34~~.

Please replace Paragraph [0056] with the following paragraph:

A liquid crystal device 1 shown in Fig. 1 is formed by bonding, more specifically, attaching a counter substrate 2a to a color filter substrate 2b with a sealing material 3. The area surrounded by the sealing material 3, the counter substrate 2a and the color filter substrate 2b forms a space having a fixed height, so-called a cell gap. Additionally, a liquid crystal filling port 3a is formed in a part of the sealing material 3. Liquid crystals 110 as an electro-optic material are filled in the above mentioned cell gap through the above mentioned liquid crystal filling port 3a, and the liquid crystal filling port 3a is sealed with a resin etc. after they are filled completely. The space between the counter substrate 2a and the color filter substrate 2b is held by spacers 111.

Please replace Paragraph [0059] with the following paragraph:

As shown in Fig. 3, the backlight 10 mainly has the LED array 101 operating as the light source part, the light guide plate 8 40 and the reflector 105.

Please replace Paragraph [0063] with the following paragraph:

Next, the configuration of the light guide plate 8 is shown in Figs. 5(a) and 5(b). Fig. 5(a) is a plan view illustrating the light guide plate 8, and Fig. 5(b) is a side view. As shown in Figs. 5(a) and 5(b), the light guide plate 8 has a mounting hole 104 on its one end for mounting the LED array 101. Additionally, on the surface of the light guide plate 8 403, a plurality of light diffusion parts 106 formed of recess of large and small bumps and dips are formed. Furthermore, the light guide plate 8 is formed of

transparent resins such as polymethyl methacrylate (PMMA) resin and polycarbonate resin.

Please replace Paragraph [0064] with the following paragraph:

When current is carried through each of the LEDs 111 of the LED array 101 by the control circuit with the LED array 101 mounted in the mounting hole 104 of the light guide plate 8, each of the LEDs in the LED array 101 emits light and white light is outputted from the whole surface of the LED array 101 by the operation of the fluorescent filter 113. As shown in Fig. 5(b), the white light emitted from the LED array 101 enters the light guide plate 8, propagates through the inside of the light guide plate 8, and is irradiated to information of the light guide plate 8 by reflection of the reflector 105 or by diffusion of the light diffusion parts 106.

Please replace Paragraph [0074] with the following paragraph:

Next, the positional relationship between the color filter film and the reflective film and the construction thereof will be described with Figs. 1 and 2. Fig. 2 is a schematic perspective view illustrating the positional relationship among the reflective film 11, each color layer and the second electrodes 14b in the color filter substrate 2b of the liquid crystal device 1 shown in Fig. 1. As shown in the drawing, the liquid crystal device 1 has the structure in which one opening 11a ~~11b~~ of the reflective film 11 is formed at every single dot. The structure of the reflective film 11 corresponding to a single dot is that the reflective film 11 placed in a reflective area 171 used for reflection is disposed so as to surround the openings 11a placed in non-reflective areas 170 for transmission.

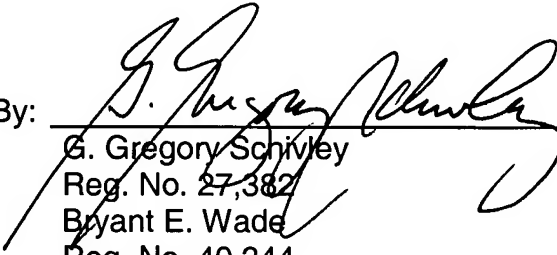
Additionally, the reflective blue color layer 150B, the reflective red color layer 150R and the reflective green color layer 150G are formed in stripes nearly along the second electrodes 14b, and the color layers are not formed at the positions corresponding to the openings 11a of the reflective film 11. On the other hand, the non-reflective blue color layer 160B, the non-reflective red color layer 160R and the non-reflective green color layer 160G are formed corresponding to the openings 11a of the reflective film 11 so as to linearly arrange the same colors nearly along the second electrodes 14b. The reflective color layers 150 are varied from the non-reflective color layers 160, or the transparent color layers, in color layer materials and thickness. In the embodiment, the reflective color layers 150 are formed in a thickness of 1  $\mu\text{m}$ , whereas the non-reflective color layers 160 are formed in a thickness of 1.5  $\mu\text{m}$ .

### REMARKS

The purpose of this preliminary amendment is to correct certain obvious errors in the application as filed. Favorable consideration of this amendment is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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